



The purpose of the Gem, Lapidary, and Mineral Society of Montgomery County MD, Inc. is “to increase knowledge and popular interest in earth sciences, geology, mineralogy, paleontology, lapidary arts, and related subjects.”

REGULAR MEETINGS

Next Meeting: September 8, 2014 7:30 PM

Dave Tiktinsky

The speaker for the September 8, 2014 meeting is Wayne Sukow. In October 2013 Wayne was named the Dr. Charles Salotti Earth Science Award recipient at Michigan Technological University in Houghton, MI. The Salotti Earth Science Award is given in recognition of the recipient's long term and original contributions to Earth Science Education in grades K-12.

Wayne has had what he calls 4 epochs of his mineral and lapidary career. The first was in 1960 when his brother-in-law visited him in River Falls, WI and said, “Hey Wayne, I read that they have Lake Superior agates around here. Let’s look for some.”

The second epoch was in the late 1960s when he returned to graduate school at Washington State University. That led him to numerous outings to collect star almandine garnets from Emerald Creek and faceting quality garnets from St. Mary’s Idaho. He also collected Friday and Carey Plume agate along with old blue Biggs Jasper during this epoch.

The 3rd epoch began in the 1970s when he “discovered” Copper Country on Michigan’s Upper Peninsula, along with copper, silver and many associated minerals. This led him to study and write articles about datolite based on his growing collection of the colorful nodules.

The 4th epoch, in the late 1980s began with his move to Virginia. At a Northern Virginia Mineral Club auction he discovered there were exquisite, water-clear crystals of datolite found in the trap rock quarries...only 20 miles away in Loudon Co. This led to a collection of datolite crystals from worldwide sources and writing about them.

During all of these “epochs” he joined local gem and mineral clubs and served as an officer or bulletin editor. Sometime in 2003 he became the Assistant Director of EFMLS-Wildacres and after the June 2004 session, Director, which continued through 09/30/08. During 2006 he took a one-year leave of absence to serve as president of the Eastern Federation of Mineral and Lapidary Societies. This was preceded by serving as President in 2006, 1st VP in 2005, and 2nd VP of the EFMLS in 2004.

BOARD OF DIRECTORS MEETING

The Board of Directors will meet 7:30 PM **Monday September 15, 2014** at the home of Andy Muir. Board members are expected to be there. Any member is welcome to attend, but please let Nady know if you plan to attend at amuir21@comcast.net or phone 301-990-1370.

PRESIDENT’S MESSAGE:

Well, it is hard to believe that August is gone and summer has once again flown by! I hope many vacations were taken and good times were had. Maybe a little rockhounding as well since the “summer” was so mild and beautiful. Back to school season is upon us and we are looking forward to having even more young members join

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our FRA and Mini Miners program this fall season. Please extend the invitation to your friends and family to attend an upcoming meeting, young and old alike.

There is good news to report on the fall session of Wildacres teaching program, sponsored by the Eastern Federation of Mineralogical & Lapidary Societies. The fall program was in dire need of participants, and was on the verge of being cancelled as of early summer. All the EFMLS groups put the word out to their members about the situation and the impending, total loss of the fall slot at Wildacres, if we did not do something about the enrollment. Apparently that did the trick, as the workshop is filled and there are plenty of eager participants. Thanks to the EFMLS and mineral society members who provide this excellent series of workshops, and all the work they did to fill all the slots!

Lastly, I want to put in a plug for all of the upcoming fall mineral shows and what a great way it is to spend a day or a weekend with your children, friends or family. My wife and daughter and I, attended the Lebanon, Pennsylvania show a couple of weeks back. It was the first time we had been to that show and it was a wonderful experience. There was a large outdoor swapping area with nice Pennsylvania material and lots of local rock floggers and even one of my friends from New Jersey, selling a great deal of Franklin material. Inside, there were four separate large areas, all with a variety of dealers, one being a wholesale only room. Many of the dealers also sell at our show, so there were many familiar faces and friends behind the tables! The dealers covered a wide swath of everything available to the mineral enthusiast. From beginner to top notch mineral specimens, fossils, metaphysical items, beads, findings, finished jewelry, you name it, they had it!!! Whatever your poison, there was an excellent chance that one of the dealers would have what you wanted. It was just a great way to spend a daytrip, especially the beautiful drive through Pennsylvania's amish country. Keep an eye out in the Rockhoulder and at the meetings for the upcoming shows and take your own roadtrip this fall.

See you in September- Chris

FUTURE ROCKHOUNDS OF AMERICA (THE MOCKS)

(Ages 10-15)

Mark Dahlman

Next Meeting Date: September 8, 2014 **Meeting Time:** 7:45-9:00pm

Meeting Location: Sunroom Cafeteria at the Rockville Senior Center

September 8th Meeting:

We'll start our September meeting by awarding eight MOCKS the Stone Age Tools and Art badge. We'll also see how the group did over the summer taking photos for our photo book of gems, minerals, and fossils, and we'll discuss what's next for our photo book project. FRA members, if you were not at the June meeting, please come to the September meeting or contact Mr. Dahlman for details about how you can contribute to the photo book too.

We'll also want to hear about any articles MOCKS wrote, or are going to write for the Rockhoulder. As mentioned before, the articles do not have to be long, and can be about anything related to our society (your favorite fossil, where you collected this summer, blue gems, etc). Since there are so few junior articles written these days, each author stands a very good chance of winning a regional or national award!

We'll start work on the Field Trips badge too. Mr. Harris is making it easy for us with several field trips planned for the next couple of months that juniors can attend. It should be a lot of fun, and we'll talk about what can be found on each of those field trips. We'll cover other badge requirements, and talk about what you need to take with you when you go out collecting.

See you at our September 8th meeting!

For more information on the Future Rockhounds of America program, please contact Mark Dahlman at <fra_advisor@glmsmc.com> or 301-428-0455.

WHY HERE? WHY NOW?

Andy Celmar

Hi boys and girls!

I am reading about the Scientific Revolution, the origin of modern science, and the flood of discoveries during that short span of time.

Entire fields of science come into existence during this time, indeed continued advancement in some fields requires the existence of other fields to allow greater understanding. For example rocks and minerals require the theory of atoms and molecules and the entire field of chemistry to create our classification of minerals into sulfates, silicates, etc. Without this classification system, minerals could be classified by color, crystal shape, hardness or specific gravity. This alternative classification system provides a diminished understanding of our mineral kingdom, than our current system.

I wonder why the Scientific Revolution occurred when it did? The following attempts to answer this question.

The Scientific Revolution for my purposes starts with Nicholas Copernicus (1473-1543), from Poland of course, who brings forward the sun centered cosmos. It ends with Isaac Newton (1642-1727), who describes universal laws of motion and a Mechanical Universe.

Prior to the scientific revolution the view of the learned class is that the world is composed of Four Qualities or Elements, first proposed by Aristotle (384–322 BCE, Before the Common Era) Earth, Water, Air, Fire. This view is held for many centuries. Less than 200 years later at the end of the Scientific Revolution many educated people hold that the world is composed of atoms or corpuscles, a profound change in thinking in a relatively short period of time.

While the Scientific Revolution is a convenient label, it is based in historical reality.

We look to the past through our present day eyes, at the things we know will be important later in history. We have a tendency to ignore the failures and the wrong paths taken. For example a historian would look at the work of Galileo and select those events, which appear to be direct anticipations of currently held science. A term for this is “whiggish”. A whiggish interpretation of history is to judge the past in terms of the present. A whiggish historian might think that the Scientific Revolution is not just the origin of modern science but also the origin of current science, which it is not. I find it difficult to avoid a whiggish interpretation of history. The best we can do is see the past through their past eyes, by assembling as complete a contemporary picture as possible. Am I asking a lot from you? Hey boys and girls, that’s why you git the Big Money!

Natural Philosophy is the philosophical study of nature and the physical universe. It is based on the truths of experience, which are considered to be evident and undeniable. A Natural Philosopher might reason that a giraffe has a long neck because it continues to stretch its neck to obtain the leaves that are higher in the tree. So you could obtain a longer neck just by stretching it. This reasoning is also useful when selling body enhancement devices to teenagers. A Natural Philosopher was a high status person employed by Nobility and Academia. Generally a natural philosopher does not use mathematics or experiments to further his understanding of the world; astronomy and alchemy are two noted exceptions. Mathematical claims or proofs are generally not evident or obvious. Mathematics and experiments have to be shown to be relevant to the study of nature, before

they will be used for that purpose. While natural philosophy and science are not the same, the terms are often used interchangeably.

OK, enough terms. Let us go back to a question I have asked on occasion. Why did the scientific revolution occur when it did?

We are now in the 15th century; the western world uses the Julian calendar, which loses 11 minutes and 14 seconds per year or an entire day in 128 years. The western world has lost about 9 days by the 15th century and they do not know how to set the date for Easter. Enter Stage Left, Nicholas Copernicus (1473-1543). He decides to solve this pesky problem and in the process, he does nothing less than move the Earth. Not bad for a Proud Pole! Through his mathematical calculations, he shows the Earth revolves around its axis and around the Sun. His calculations explain the apparent retrograde motion of the planets through the sky, the order of the planets in our solar system and their distances from the Sun. But Dear Friends, this is not his greatest contribution to the world! What Copernicus proposes goes against the teaching of Aristotle, the Holy Scriptures and common sense! After all, does it feel as if you are on a moving Earth? Wouldn't you know if you are moving? The contemporaries of Copernicus view his reasoning by mathematical proof, as illegitimate, because it is contrary to their experience.

Copernicus insisted that no matter how contrary the motion of the Earth may seem, if the mathematics are true, the explanation/model must be true.

This is Revolutionary!

The church bans his writings for three centuries. The educated view mathematics as a tool for making predictions, not a description of how things actually work. Not many Natural Philosophers are persuaded by his work. A Mathematician is a lower status and therefore lower paid than a Natural Philosopher.

Mathematics does not confine itself to celestial matters but expands into navigation, surveying and cartography as world trade spreads. Mechanics; innovations in warfare, such as artillery resistant bastion; civil engineering, such as land reclamation, canal building, all contribute to the increased status of mathematicians and the attention of the ruling class. Mathematics is proving its worth.

Change is afoot in the royal courts of Europe, albeit slowly. Mathematicians who enhance the prince's image with their devices gain stature. Galileo Galilei (1564- 1642) is a mathematics professor at university, where he must defer to the higher status of a natural philosopher. Taking advantage of the changing attitude of royal courts, Galileo negotiates and receives a position as natural philosopher at the court of Cosimo de Medici because a mathematician can show results!

Isaac Newton (1642-1727) publishes his Mathematical Principles of Natural Philosophy (1687) and it is the culmination of a mathematical view of the universe. This work shows that the force that causes the planets to orbit the sun is the same force that causes an apple to fall to the ground. Newton receives criticism concerning his publications, but not his mathematical proofs. That battle is already won; the mathematical description of the universe is firmly established. Therefore one of the causes of the scientific revolution is the use of mathematics to explain the universe.

This leads directly to countless generations of school age children asking why they have to study math and when are they ever going to use it in their lifetime. But that's another story!

WEBSITES OF INTEREST

Wendell Mohr

Gold & Gold Mining in California, <http://www.consrv.ca.gov/cgs/geologic_resources/gold/pages/index.aspx> is an attractive site by the California Government, Department of Conservation. Featuring information about the discovery of gold, the iconic state mineral, Prospecting hints and placer gold recovery methods, historic and active gold mines, and photos of historic gold mines. A CD-ROM is available for purchase at \$12.00 with over 1,000 photographs on minerals and mines in California. A selected sampling may be viewed. Don't miss "Related Documents and Links" for even more.

Photo with Permission Roger Weller Cochise College



Source: National Park Service

Green River Formation Fossils, <<http://geology.com/articles/green-river-fossils/>> is another article by Hobart King for geology.com. Read the story of the geology, fish, plants, animals, and insect fossils. Learn a couple of new words: "lagerstätte" from the German "storage place" a sedimentary rock with extraordinary fossils with exceptional preservation, sometimes including preserved soft tissues. And "varves" an annual layer of sediment or sedimentary rock. A bit about the age of the formation includes the Yellowstone source of ash fall preserving fossils in lakes.

Recent Advances in Understanding the Geology of Diamonds is about the most comprehensive piece on diamonds I have seen at <<http://www.gia.edu/gems-gemology/WN13-diamond-geology-shirey>>. Authored by Dr. Steven B. Shirey and James E. Shigley, there are simply too many topics to list here so see this huge educational piece for yourself. When you have absorbed the main article and want more, click on the upper right side bar for "Diamond Research at Carnegie": [Recent Advances in Understanding the Geology of Diamonds](#), [Tiny Inclusions Reveal Diamond Age and Earth's History](#), [Carbon Isotope Studies Reveal Diamond Growth History](#), [Carnegie Scientists Use Diamond Presses to Study Planet Formation](#), and [Carnegie Research: Every Diamond Tells a Story](#).

This link presented in agreement with conditions specified by GIA.

32 carat Brown octahedron diamond crystal from Africa. credit R.Weller/Cochise College.



FIELD TRIPS

by Jonathan Harris

Note: For all fieldtrips, please see the email announcement for full details, instructions and rules. Please notify fieldtrip chair (jgharris7@gmail.com) of intent to attend at least a week ahead of time. Make it easy for me to find your reply: Register by respond to fieldtrip announcement so I can readily search for replies, reply separately for each fieldtrip, and avoid using a fieldtrip related subject header for other matters. Please don't be a no-show and harm our relationships with landowners—notify me in advance of any change in plans.

For all fieldtrips the club rules and waivers in the email messages apply. All active mines require the safety gear mentioned in these rules— hard hats, steel toed boots, gloves, safety goggles, long pants, and fluorescent vests. Hard hats and steel toed boots must meet OSHA standards. Bike helmets are not permitted.

Upcoming Fieldtrip Summary

Date	Time	Site	Site Type	Min age	Hrs from Rockville	Geology/Specimens(*-sometimes fluorescent)
9/13/2014	7am	Vulcan Manassas Quarry	Active mine	10	1 hr	diabase with hornfels. stilbite, chabazite, datolite, prehnite, apophyllite, calcite*
9/27/2014	8:30am	Willis Mountain kyanite Mine	Active mine	10	3 hr	kyanite-quartzite matrix. kyanite*, apatite*, rutile, geothite, pyrite, quartz*
10/11/2014	TBD (9-10am)	Cornwall dumps	Golf course property; old mine dump	10	2.5 hr	iron mine dump-magnetite, garnet, epidote, azurite, malachite, copper, chalcopryrite, pyrite, rhodonite, hematite
11/1/2014	9am	National Limestone Quarry	Active quarry	10	3 hr	sandstone with wavelite*, turquoise, cacoxenite, quartz, marine invertibrate fossils ;limestone with: calcite*, flowstone*, strontianite*, celestite, sphalerite, hydrozincite*

September 13, 2014 7am to Noonish Vulcan Manassas Aggregate Quarry, Manassas, VA

Ted Carver from the NVA club has arranged (but not sent out the formal announcement) a fieldtrip to **Manassas Quarry on September 13, 2014** starting at 7am. RSVP to igharris7@gmail.com (240-506-2864; email with Vulcan Manassas in the subject preferred) by September 6, 2014

Directions (to Vulcan):

From Interstate 66 & Virginia 234 (bypass, not business. The bypass is 3 to 4 miles west of the business exits.)

1. Head west on Exit 44 0.9 mi
2. Merge onto Prince William Pkwy/VA-234 S 2.7 mi
3. Turn left at Wellington Rd 0.5 mi
4. Turn left at Vulcan Ln

The destination will be on the right 0.1 mi 8537 Vulcan Lane, Manassas, VA 20109

September 27, 2014. 8:30AM-1PM. Willis Mountain Kyanite Mine (Kyanite Mining Corp).

(Organized by The Gem and Mineral Society of Lynchburg, VA Inc. and the Roanoke Valley Mineral and Gem Society Inc.

---Note new rule: Hard hats should be no more than 5 years old. This is some OSHA rule that could be enforced. If the mine or other authorities decide to inspect, those that fail the inspection will have to leave.

--This is a space limited. You **need my confirmation** to attend. In the past we have not hit our limit; if there is an issue, I will find a reasonable way to allocate slots.

--I need a response by September 21 8PM in order to let Dave Callahan know who is attending. If you respond after that time, you may not be able to attend. Please respond to me, not Dave.

--If you are uncertain about whether you will attend, please advise me of your likelihood of attending.

--Directions are below. Note the meeting place in the circular I have pasted in.

--Please read the entire message, including the waiver and directions from the DC area. Your response implies agreement to the waiver and rules. If the directions aren't readable, please use your mapping software; unfortunately Google and others have made it harder to cut and paste directions and have them readable.

--If it is past 8:30 at the mine and there are very few people around you are likely at the wrong entrance. See below for the correct entrance (I had the wrong one on last years trip!)

Directions: Use your map, software website, or GPS to get to the intersection of Rts 15 and 60 Dillwyn VA. drive 4 miles to Willis Mt. Plant Road. Turn left and stop at the stone mine office and park out of the way as not to block traffic.

Further Details from Dave Callahan's Flyer.

SAFETY: Everyone should arrive at the office parking lot between 8:30AM and no later than 8:45AM to sign the release form and hear the required safety briefing. Each Club field trip leader, or his appointed replacement, will act as safety observer and will be expected to be on the lookout for and correct all safety infractions from any collector. Keep in mind that this site is one of the few that is still open for collecting. **Not obeying all the safety rules will cause this site to be closed to all future collecting.**

DRIVING FROM THE ROANOKE AND LYNCHBURG AREA: From Roanoke, follow US 460 East to Lynchburg, to the Sheets Station on US 460 and Rt. 811 in New London. Continue on the US 460 East by-pass around Lynchburg thru Appomattox and take Rt. 24 North to the end at US 60 at Mt. Rush. Continue on US 60 East to Sprouses Corner. Turn right on US 15 South and drive 4 miles to Willis Mt. Plant Road. Turn left and stop at the stone mine office and park out of the way as not to block traffic. Allow 1 1/4 minimum hour driving time from New London west of Lynchburg.

GENERAL LOCATION and ASSEMBLY TIME: Everyone will meet at the mine office for sign-in and safety instruction, be there between 8:30 and no later than 8:45am. The mine is located north of Farmville, Va. on Rt. 15 North. Proceed from US 460 North on Rt. 15 for a little over 12 miles to Willis Mt. Plant Rd. The stone mine office on the right. If you approach from Rt. 60 at Sprouses Corner, then go south on Rt. 15 for 4 miles to Willis Mt. Plant Rd. and the office will be on your left. Wait in the parking lot and do not block traffic. Many trucks may be using the road. While you're waiting, be sure to enjoy the beautiful blue kyanite bolder in the front yard from the old closed Baker Mountain.

COLLECTING: Willis Mountain is what's known as a monadnock. The kyanite exposure resisted weathering and, as the surrounding area was eroded and weathered away, the mountain outcrop was left standing. This is very much like the famous Graves Mountain kyanite mine in Georgia. The center of the mountain has been mostly mined away. We should be able to find plenty of white kyanite blades in the massive kyanite quartzite; pyrite; quartz; hematite with some iridescent, red mica, apatite and possibly some blue kyanite and pale green trolleite. Some of the white kyanite and quartz here have a beautiful light blue fluorescence.

EQUIPMENT: The standard quarry safety gear required is a hard hats with a mfg. date of 5 years or less, safety glasses, wheel chocks ether purchased, home made or a rock. Every time you leave the car, turn off the engine, put in park and apply the hand brake. **ONLY STEEL TOED BOOTS WILL BE ALLOWED.THERE WILL BE NO EXCEPTIONS!!!** . If you do not have the required safety equipment, you will not be allowed to enter the quarry. **Also required are long pants, gloves, hammer and chisels, wrapping paper, buckets, food and water. Be prepared for windy, hot or wet weather. We will be on the mountain top and it's always windy. We can drive to the designated collecting area, so hand trucks should not be needed. Bring a camera, as the view is awesome.**

AGE LIMIT: There is no age limit, but all **children must be signed for, supervised by an adult and have all the required**

safety equipment. No Exceptions!!!

October 11, 2014. Cornwall Dumps (likely start time between 9 and 10 am). Cornwall, PA. Details TBD and to be sent via email. The site is actually on the property of a golf course. Children are permitted and the standard club rules and waivers will apply.

November 1, 2014. National Limestone Quarry, Mount Pleasant Mills PA. 9AM-?. Please RSVP by October 25 to jgharris7@gmail.com with the quarry name and location in the subject. Details TBD via email & October Rockhoulder. May may start at Mount Pleasant Mills and move on to the Middleburg Quarry.

RECENT PAST FIELDTRIPS

Jonathan Harris

Churchville (June 28). The Churchville quarry is now under new ownership, the Florida based company Bluegrass Materials. Fortunately Bluegrass Materials is still collector friendly, and our host, Brad Zimmerman, welcomed us to the mine. Because the quarry was breaking rocks on the lower level, we were confined to one bench; fortunately the one that has in the past produced zeolites.

The quarry rock is mostly Precambrian James Run Gneiss(older than 541 million years) and a more recent Paleozoic(541-252 million years old) metagabbro. The zeolites were certainly formed later from hydrothermal action.



Churchville--getting started

Although some of the larger laumontite and chabazite specimens of past trips did not appear on our trip, people found many interesting micro-mount specimens—including combinations of zeolites with epidote. We also collected pyrite, pyrrhotite, and calcite.



Gettysburg father & son collecting

Gettysburg Quarry (July 26). Valley Quarries uncovers hornfels rich in zeolites and epidote. Bruce Gillan, our host, began with the safety discussion. The quarry was active during this trip, and we were treated to the loud rumbles of huge boulders being pushed off one wall and bouncing down several levels to the quarry floor below. Of course we were collecting far away from any of this!

One this trip we continued to find more stilbite, as well as some nice micro epidote. Dave Fryauff identified some small coffin shaped heulandite crystals in some specimens, that initially might appear as battered stilbites. Several collectors also found some nice dendrites—almost certainly one of several manganese oxides that can only be distinguished by special laboratory analysis.



Gettysburg dendrites

AUDUBON SOCIETY PROGRAMS

Wendell Mohr

From the Audubon Naturalist Society, *Naturalist Quarterly*, Summer 2014
Register on-line at <www.ANShome.org/adultnatureprograms>

Georgetown Geology Loop Hike Sunday, September 21 (9 am -1 pm)
Leader Joe Marx
Members \$24; nonmembers \$34

The Georgetown section of Washington, DC sits squarely on a mass of ancient granite, surrounded by various other types and ages of rock. Our hike will be about 5 miles long, through wooded parkland and along city streets. The terrain is easy to moderate, with hills being the biggest challenge. During our hike, we will visit the Coastal Plain, three canyons, the Piedmont upland, and a major fault zone. Not bad for a walk around town. (Note: this hike will move at a faster pace than our usual naturalists' shuffle.)

EVENTS OF INTEREST

- **JULY 1-3, 2014** – Rockville City Camps, Croydon Creek Nature Center, Geology, 9:00 AM – 12:00 PM, camp number #46243; register at <http://bit.ly/1kaoWjY>.
- **JULY 7-18, 2014** – Bullis School Summer Programs, Geology 8:45 – 10:45 AM and July 21 to August 1, Geology - 1:30 – 3:30 PM; register at <http://www.bullis.org/summer-programs/>.
- **JULY 12, 2014** – Audubon Naturalist Society: Geology at Great Falls MD, 8:30 – 11:00 AM; Leader Joe Marx; details and registration contact at <ANShome.org/adultnatureprograms>.
- **AUG 2, 2014** - Morris Museum Mineralogical Society, 20th Annual Gem, Mineral, and Fossil Sale, Delbarton School, Morristown NJ. Info: John Sanfacon, [201-787-0545](tel:201-787-0545).
- **Aug 8-10, 2014** -- East Coast Gem, Mineral, and Fossil Show (Commercial show), at Better Living Center, Eastern States Exposition, 1305 Memorial Avenue., West Springfield MA. Info.: www.mzexpos.com
- **AUGUST 15-17, 2014** – Gem Miners Jubilee, Lebanon Expo Center, Friday 10:00 AM – 6:00 PM, Saturday 10:00 AM – 6:00 PM, Sunday 10:00 AM – 4:00 PM, Lebanon, PA, www.gem-show.com.
- **Sep. 13-14, 2014** -- 49th Annual Gem, Mineral, Jewelry Show of the Central PA Rock & Mineral Club, at Zembo Shrine, 3rd and Division Streets, Harrisburg PA. Info.: <http://rockandmineral.org>
- **Sep. 21** – Audubon Naturalist Society: Georgetown Geology Loop Hike Sunday, September 21 (9 am -1 pm) Leader Joe Marx. details and registration contact at <ANShome.org/adultnatureprograms>
- Members \$24; nonmembers \$34
- **Sep 27-28, 2014** -- 50th Annual Atlantic Coast Gem, Mineral, & Jewelry Show sponsored by the Gem Cutters Guild of Baltimore, Howard County Fairgrounds, I-70 at MD 32. Info.: www.gemcuttersguild.com
- **Oct 25, 2014** – Southern Penn Fall Swap & Sale, South Mountain Fairgrounds, 1.5 miles west of Arendtsville, PA on Route 234. GPS address 615 Narrows Road, Biglerville, PA 17307. 8 AM- 3 PM Admission Adults \$1.00.; Children free. Sponsored by Central Penn and Franklin County Rock and Mineral Club. \$10 to setup to sell(first come first serve for setup. Contact tsmith1012@comcast.net.
- **Oct 25, 2014** – Ultravioletation 2014 Fluorescent Mineral Show. First United Methodist Church, 840 Trenton Rd, Fairless Hills, PA. 9 AM-4PM.adults \$2 donation, kids 12 and under free. Sponsored by The Rock and Mineral Club of Lower Bucks County.
- **Nov 1-2, 2014** -- 45th Gemarama by the Tuscarora Lapidary Society, at CFS, The School at Church Farm, 1001 E. Lincoln Hwy, Exton PA 19431/ Info.: www.lapidary.org
- **Nov 22-23, 2014** – Northern Virginia Mineral Club, Annual show, George Mason University, Fairfax, VA.

If you are planning a trip and want to know what clubs you might be able to visit, it would be worthwhile to visit the American Federation of Mineralogical Societies website. Check out their newsletter archives at <http://www.amfed.org/news/default.htm>.



BOARD OF DIRECTORS

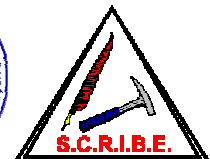
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Bulletin Editor– Needed

Life Members: Larry Harrison, Wendell Mohr, and Juan Proaño

Society Address: Gem, Lapidary, and Mineral Society of Montgomery County MD., Inc.
P. O. Box 444, Gaithersburg MD 20884-0444; Web Site: <http://www.glmsmc.com/>
All Society correspondence is to be sent to this address except that which is intended for the *Rockhounder* and its editor. Such items are to be sent to the editor's email address – kristinlolmaugh@gmail.com

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Award Winning Bulletin
EFMLS, AFMS



TIME SENSITIVE
DATED MATERIAL
FIRST CLASS MAIL

THE ROCKHOUNDER
Gem, Lapidary, and Mineral Society
of Montgomery County, MD, Inc.